

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 61167111
PUBLICATION DATE : 28-07-86

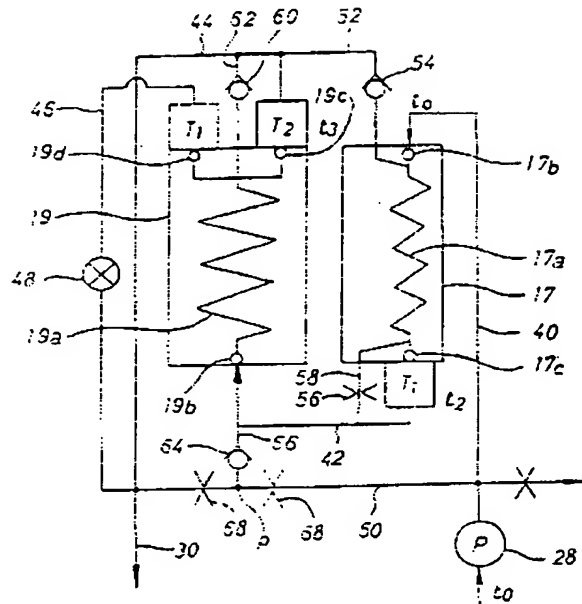
APPLICATION DATE : 17-01-85
APPLICATION NUMBER : 60007242

APPLICANT : YANMAR DIESEL ENGINE CO LTD;

INVENTOR : BANBA TOSHIO;

INT.CL. : F01P 3/02 F01P 3/20

TITLE : ENGINE COOLING DEVICE



ABSTRACT : PURPOSE: To prevent the under-cooling of a cylinder block while sufficiently cooling a cylinder head by forming the cooling water jacket of the cylinder head and that of the cylinder block separately, and connecting the inlet and outlet of both jackets respectively.

CONSTITUTION: In a cooling device of an outboard machine the cooling water jacket 17a of a cylinder head 17 and the cooling water jacket 19a of a cylinder block 19 are formed separately. And, the cooling water inlet 17b of the cylinder head is connected to the cooling water outlet 19c of the cylinder block via a float valve 54 and a thermostat T_2 , and the cooling water outlet 17c of the cylinder head is connected to the cooling water inlet 19b of the cylinder block via a thermostat T_1 and a throttle 56. Thus, the temperature of the cylinder head and cylinder block can be controlled at a temperature in compliance with the respective requirements.

COPYRIGHT: (C)1986,JPO&Japio